

Title (en)
METHOD FOR PRODUCTION OF NEAT CARBON NANOTUBE ARTICLES PROCESSED FROM SUPER ACID SOLUTIONS

Title (de)
HERSTELLUNGSVERFAHREN FÜR REIN KOHLENSTOFFNANORÖHRCHENGEGENSTÄNDE AUS HOCHACIDEN LÖSUNGEN

Title (fr)
PROCÉDÉS DE FABRICATION DES ARTICLES À BASE DE NANOTUBES DE CARBONE PURE OBTENUS À PARTIR DE SOLUTIONS DE SUPER-ACIDE

Publication
EP 2209934 A2 20100728 (EN)

Application
EP 08844994 A 20081029

Priority
• US 2008081574 W 20081029
• US 98349507 P 20071029

Abstract (en)
[origin: WO2009058855A2] Articles comprising neat, aligned carbon nanotubes and methods for production thereof are disclosed. The articles and methods comprise extrusion of a super acid solution of carbon nanotubes followed by removal of the super acid solvent. The articles may be processed by wet- jet wet spinning, dry-jet wet spinning, and coagulant co-flow extrusion techniques.

IPC 8 full level
D01F 11/12 (2006.01); **C01B 31/02** (2006.01); **D01F 9/12** (2006.01); **B29C 48/475** (2019.01); **B29C 48/48** (2019.01)

CPC (source: EP KR US)
B29C 48/0018 (2019.01 - KR); **B29C 48/05** (2019.01 - EP US); **B29C 48/11** (2019.01 - EP US); **B29C 48/919** (2019.01 - EP US); **B82B 3/00** (2013.01 - KR); **B82Y 30/00** (2013.01 - EP KR US); **B82Y 40/00** (2013.01 - EP KR US); **C01B 32/168** (2017.07 - EP KR US); **C01B 32/174** (2017.07 - EP KR US); **C01B 32/18** (2017.07 - KR); **D01D 5/06** (2013.01 - EP KR US); **D01F 1/02** (2013.01 - KR); **D01F 9/12** (2013.01 - EP US); **D01F 11/12** (2013.01 - EP US); **B29C 48/0018** (2019.01 - EP US); **B29C 48/475** (2019.01 - EP US); **B29C 48/48** (2019.01 - EP US); **B29K 2105/162** (2013.01 - EP US); **B29K 2105/167** (2013.01 - EP US); **C01B 2202/02** (2013.01 - EP US); **C01B 2202/04** (2013.01 - EP KR US); **C01B 2202/06** (2013.01 - EP US); **C01B 2202/28** (2013.01 - EP KR US); **C01B 2202/34** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2009058855A2

Cited by
EP3860948A4; WO2020072066A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009058855 A2 20090507; WO 2009058855 A3 20090827; CN 101910481 A 20101208; CN 101910481 B 20121010; EP 2209934 A2 20100728; EP 2209934 B1 20160907; JP 2011502925 A 201110127; JP 5658567 B2 20150128; KR 20100100847 A 20100915; RU 2010122048 A 20111210; RU 2504604 C2 20140120; US 2011110843 A1 20110512

DOCDB simple family (application)
US 2008081574 W 20081029; CN 200880123297 A 20081029; EP 08844994 A 20081029; JP 2010532202 A 20081029; KR 20107012052 A 20081029; RU 2010122048 A 20081029; US 74052908 A 20081029